	RDT&E BUDGET ITEM J	DATE	DATE February 2002							
	T ACTIVITY Engineering and Manufacturing Deve		R AND TITLE	al Broado	ice (GBS	PROJECT 4887				
	COST (\$ in Thousands)	FY 2001 Actual	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost
4887	Global Broadcast Service (GBS)	0	34,202	22,589	16,792	15,505	20,762	6,911	16,936	133,697
	Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0

NOTE 1: Prior to FY02, GBS funding was contained in PE 0603854F, project 642679.

NOTE 2: In FY02, GBS received \$7,000 as part of the Defense Emergency Relief Fund (DERF). Funding will be used to achieve required weight and size reductions on Army receive suites (terminals) in support of operation Enduring Freedom. This funding is not reflected in the FY02 program total.

(U) A. Mission Description

Global Broadcast Service will provide DoD with efficient, high data rate broadcast between many distributed information sources and warfighters who will receive the broadcast directly on small, inexpensive user terminals in accordance with the GBS Operational Requirements Document (ORD) validated by the Joint Requirements Oversight Council in Apr 1995. GBS Broadcast data includes digitized imagery, logistics and weather data, maps, operational orders, and video. GBS space segment includes packages on Navy operational satellites UFO 8, 9, and 10 providing near-worldwide service, augmention by commercial leased Ku-band packages, and throughput on future wideband satellites. GBS Broadcast Management and Terminal segments include uplink sites and receive equipment which integrate with Service fixed- and tactical-network equipment through standard commercial interfaces. Service production Receive Suite and integration into Service networks are funded in other PEs.

(U) FY 2001 (\$ in Thousands)

(U) \$0 No activity-- Funded in PE 0603854F

(U) \$0 Total

(U) FY 2002 (\$ in Thousands)

(U) \$25,974 Continue System Development and Test

(U) \$2,668 Continue Phase 2 Government System Integration

(U) \$2,480 Continue Program Support (U) \$1,200 Continue Fielding Activities

(U) \$1,880 Continue System Test & Evaluation Support

(U) \$34,202 Total

Project 4887 Page 1 of 5 Pages Exhibit R-2 (PE 0603840F)

	RDT&E BUDGET ITEM JUSTIFIC	DATE Febru	February 2002		
	GET ACTIVITY - Engineering and Manufacturing Development	PE NUMBER AND TITLE 1 0603840F Global B	roadcast Servi	ce (GBS)	PROJECT 4887
(U)	A. Mission Description Continued				
(U)	FY 2003 (\$ in Thousands)				
(U)	\$16,925 Continue System Development and Test				
(U)	\$2,183 Continue Phase 2 Government System Ir	ntegration			
(U)	\$2,290 Continue Program Support				
(U)	\$1,191 Continue System Test & Evaluation Sup	port			
(U)	\$0 No Activity				
(U)	\$22,589 Total				
(U)	B. Budget Activity Justification Funding is in budget activity 5, Engineering and Manufacturing	Davalanment since program is fielding p	ra production aguinn	aant	
(U)	C. Program Change Summary (\$ in Thousands)	g Development, since program is neithing pr	e-production equipm	nent.	
(-)		FY 2001	FY 2002	FY 2003	Total Cost
(U)	Previous President's Budget	0	34,544	25,444	137,547
(U)	Appropriated Value	0	34,544		
(U)	Adjustments to Appropriated Value				
	a. Congressional/General Reductions	0			
	b. Small Business Innovative Research	0			
	c. Omnibus or Other Above Threshold Reprogram	0			
	d. Below Threshold Reprogram	0			
	e. Rescissions	0			
(U)	Adjustments to Budget Years Since FY 2002 PBR	0	-342	-2,855	
(U)	Current Budget Submit/FY 2003 PBR	0	34,202	22,589	133,697
(U)	Significant Program Changes: The GBS Program has experienced several programmatic probl schedule outlined in the Dec 99 Selected Acquisition Report (Sapproved in Jul 00. The rephasing includes moving to spiral de MSIII have slipped as a result of Operational Testing in lateCY \$2,800 for Navy terminal support was redistributed to Other	SAR). A new program schedule baseline we evelopment with system delivery in approxist (01. Initial deployments will be to EUCOM	ith incremental IOCs mate 6 month increm	s (Sep 01, Sep 02, and	Sep 03) was
F	Project 4887	Page 2 of 5 Pages		Exhibit R-2	(PE 0603840F)

	RDT&E BUDGET ITEM JUSTIFICATION	DATE	February 2002							
	GET ACTIVITY • Engineering and Manufacturing Development	PE NUM 0603 8			Broadcast	Service	(GBS)		ROJECT 887
	D. Other Program Funding Summary (\$ in Thousands) FY 2001 FY 2002 FY 2003 Actual Estimate Estimate	FY 200 Estima	<u>4 F</u>	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate		Cost to Complete		Total Cost
(U) (U)	AF RDT&E Other APPN Note: All the Services and several DoD agencies have many programs which Network (DISN); DISA Information Dissemination Management Program; Demonstration (ACTD); ARPA-DISA Bosnia Command Control Augmenta Ground Terminal Programs; Navy SATCOM Ship Terminal Program; and A 836780, line P-67, PE 0303601F, Milstar Satellite Comm Sys, Other Procur (AWT) Development.	ARPA Bat ation (BC2 Air Force N	tlefield A) Prog IILSAT	Awareness ram includ COM Ter	s and Data Disa ding Joint Broa minals (PE 03	semination (dcast Servic 03601F): AI	BADD) e (JBS) F GBS I) Advance ; Navy UI Receive T	ed Concep FO Progra erminals (t Tactical m; Army Project
(U)	E. Acquisition Strategy The acquisition strategy has been revised to a spiral development/incrementation (IPT) approach. Program will maintain a single integration contractor for the performance.							-	-	
(U)	F. Schedule Profile	T.Y.7	2001		T-3.7	2002			EV 2002	
	1	<u>FY</u> 2	2001 3	4	1 2	<u>2002</u> 3	4	1	FY 2003 2 3	4
(U) (U) (U) (U)	Previous effort performed under PE0603854F IOC 1 IOC 2 Milestone III * = Completed Event; X = Planned Event		-		X		X	X		
F	roject 4887 Pa	ge 3 of 5 P	ages				E	xhibit R-2	2 (PE 060)3840F)

	RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)								DATE			
				MAIA (14-2)	F	February 2002						
	GET ACTIVITY		D I	1		PE NUMBER AND TITLE 0603840F Global Broadcast Service				P		
05 -	Engineering and Man	nutacturing	Developm	ent	060384	iur Gioba	ii Broadca	st Service	(GBS)		4887	
(U)	A. Project Cost Breakdown	(\$ in Thousand	ds)									
							<u>FY</u>	<u>2001</u>	FY 200		FY 2003	
(U)	Continue System Developmen							0	25,97	4	16,980	
(U)	Continue Phase 2 Government	nt System Integr	ation					0	2,66		2,183	
(U)	Continue Program Support							0	2,48		2,235	
(U)	Continue Fielding Activities							0	1,20		0	
(U)	Continue System Test & Eval	luation Support						0	1,88		1,191	
(U)	Total							0	34,20	2	22,589	
(U)	B. Budget Acquisition Histor	ry and Plannin	g Information	ı (\$ in Thousan	ds)							
(U)	Performing Organizations:											
(0)	Contractor or	Contract										
	Government	Method/Type	Award or	Performing	Project							
	Performing	or Funding	<u>Obligation</u>	Activity	Office	Total Prior	Budget	Budget	Budget	Budget to	<u>Total</u>	
	Activity	<u>Vehicle</u>	<u>Date</u>	EAC	EAC	to FY 2001	FY 2001	FY 2002	FY 2003	Complete	<u>Program</u>	
	Product Development Organiz											
	Raytheon System Corp	CPAF	18 Nov 97	105,307	105,307	0	0	25,974	16,925	6,112	49,011	
	Phase 2 Government System	Various	Various	,	22,332	0	0	2,668	2,290	1,007	5,965	
	Integration				,			,	,	,	,	
	Support and Management Org	ganizations										
	Program Support - Various		Various	N/A	N/A	0	0	2,480	2,183	4,620	9,283	
	Fielding - Various			N/A	N/A	0	0	1,200			1,200	
	Sustainment (Vendor TBD)			N/A	N/A	0	0	0		64,659	64,659	
	Test and Evaluation Organiza	tions										
	Various		Various	N/A	N/A	0	0	1,880	1,191	508	3,579	
_	mail at 4007			ъ	4 677				F. J. 9.	4 D 0 (DE 0	2000405)	
	roject 4887			Pag	ge 4 of 5 Pag	ges			Exhib	it R-3 (PE 06	003840F)	

	RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)										PATE February 2002		
BUDGET ACTIVITY 05 - Engineering and Manufacturing Development					er and title 40F Global	(GBS)	PR BBS) 48						
(U)	Item Description Product Development Propert Support and Management Pro	Contract Method/Type or Funding Vehicle	Award or Obligation Date	<u>Delivery</u> <u>Date</u>		Total Prior to FY 2001	Budget FY 2001	Budget FY 2002	Budget FY 2003	Budget to Complete	<u>Tota</u> <u>Prograi</u>		
	Subtotals Subtotal Product Development Subtotal Support and Manage Subtotal Test and Evaluation Total Project					Total Prior to FY 2001 0 0 0	Budget FY 2001 0 0 0 0	Budget FY 2002 28,642 3,680 1,880 34,202	Budget FY 2003 19,215 2,183 1,191 22,589	Budget to Complete 7,119 69,279 508 76,906	Tota Prograi 54,976 75,142 3,579 133,69°		
	Project 4887				Page 5 of 5 Pag	J PS			Eyhih	it R-3 (PE 06	.03840F\		